

ABSTRACT

The present invention relates to a process for the preparation of synthetic taxanes, which protects C(7)-OH with lanthanon compounds. Its advantages are simple process and firm & reliable binding. Moreover, no C(7)-acylated taxanes are produced in the subsequent steps, and hydrolysis of C(2')-ester groups in acylated products becomes readily controllable. In the process for the preparation of synthetic taxanes, tetrahydrofuran is used in the present invention as a medium for acylation, which not only achieves the same effects as pyridine, but also avoids odor, so as to solve the problem regarding the extremely high requirements for the place of production. The present invention can be used for the preparation of not only semi-synthetic taxane using natural taxanes as raw material, but also full-synthetic taxane.